

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA 03/00972

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/30 H04M7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| Y | "Digital Cellular telecommunication system (phase 2+) (GSM);Universal Mobile Telecommunications System (UMTS); Inband Tandem Free Operation (TFO) of speech codecs; Service Description; Stage 3 (3GPP TS 28.062 version 5.0.0 Release 5)" ETSI TS 128 062 V5.0.0, March 2002 (2002-03), pages 14-19,35-51,56-59,81-88,164-168, XP002248624 cited in the application section 4.2.1 ----- EP 0 907 280 A (ROLM SYSTEMS) 7 April 1999 (1999-04-07) paragraph '0014! - paragraph '0019!; figure 1 ----- ----- | 1-24,64, 65 |
| Y | ----- | 1-24,64, 65 |
| | ----- | -/- |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

13 October 2003

Date of mailing of the international search report

16.02.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vercauteren, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/00972

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6 272 358 B1 (BRENT K W ET AL) 7 August 2001 (2001-08-07) column 2, line 1 - line 53 column 3, line 11 - column 4, line 9 | 24 |
| A | ----- US 2002/054571 A1 (FALSAFI A) 9 May 2002 (2002-05-09) paragraph '0017! - paragraph '0023! | 1-23, 64, 65 |
| A | EP 1 076 466 A (LUCENT TECHNOLOGIES INC) 14 February 2001 (2001-02-14) paragraph '0022! - paragraph '0025! paragraph '0027! | 25-45 |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA 03/00972

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-45, 64, 65

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-45, 64, 65

A data communication apparatus, a method for execution therein, a gateway and a computer-readable storage medium, comprising negotiating with a remote entity over a first communication path the establishment of a second communication path.

2. claims: 46-63

A gateway, a method for execution therein and a computer-readable storage medium, comprising causing in-band messaging information received in a first format to be sent separately from data in a second format.

3. claim: 66

A gateway comprising means to establish an end-to-end TFO connection between a first and second remote entity.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/00972

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|--|----|------------------|--|---|--|--|
| EP 0907280 | A | 07-04-1999 | EP JP | 0907280 A2 11177686 A | | 07-04-1999 02-07-1999 |
| US 6272358 | B1 | 07-08-2001 | | NONE | | |
| US 2002054571 | A1 | 09-05-2002 | US CA WO CN DE DE EP JP JP | 5768308 A 2207550 A1 9619907 A1 1170492 A ,B 69528847 D1 69528847 T2 0799554 A1 10500829 T 2000232409 A | | 16-06-1998 27-06-1996 27-06-1996 14-01-1998 19-12-2002 20-03-2003 08-10-1997 20-01-1998 22-08-2000 |
| EP 1076466 | A | 14-02-2001 | US BR CA CN EP JP US | 6434139 B1 0004130 A 2315317 A1 1299205 A 1076466 A1 2001127804 A 6392999 B1 | | 13-08-2002 03-04-2001 10-02-2001 13-06-2001 14-02-2001 11-05-2001 21-05-2002 |